



National Camera, Inc.
Technical Training

RANGEFINDER AND AUTOFOCUS SYSTEMS

STUDY PROCEDURE AND PRACTICAL ASSIGNMENTS

1. Review the section of your text, "The Camera and Its Variations," that covers rangefinder-type cameras. Be sure you understand the difference between a split-image rangefinder and a superimposed-image rangefinder.
2. Read and study, "Rangefinder and Autofocus Systems."
3. You should know:
 - A. how the rangefinder forms the primary image and the secondary image
 - B. how the rangefinder optically determines the subject distance
 - C. the difference between movable-mirror and movable-lens rangefinders
 - D. how the cam-and-lever and geared linkage systems couple the lens to the rangefinder
 - E. how the rangefinder provides parallax compensation by moving the frame lines
 - F. the general test and adjustment procedures for rangefinders
 - G. the specific adjustment procedures for the following rangefinders:
 - (1) Konica
 - (2) Canon QL
 - (3) Minolta Hi-Matics
 - (4) Kodak Retina
 - (5) Olympus XA
 - (6) Leica screw-mount and M-series
 - (7) Yashica
 - H. how to make and use rangefinder-test targets
 - I. how the autofocus system sets the lens to the proper focus position
 - J. the difference between active and passive autofocus systems
 - K. how to check the adjustments in autofocus cameras
4. There is no practical assignment for this lesson. Complete your quiz and return it for grading along with form #6611-S2/3. Use the large envelope addressed to the Instruction Department.

To avoid delays, do not include correspondence to other department with your returned lesson.